

# Jiafa Wind Power



## Overview

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The electric power industry in Iran has become self-sufficient in producing the required equipment to build power plants. While most of the electricity generators are run by the government, the equipment producers and contractors are generally from the private sector. Iran is among the top ten manufacturers of , with a capacity of up to 160 megawatts. Iranian engineers at JEMCO (a subsidiary of ) have developed.

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### Power Plant Listing

Following is a list of Power Plants Listed in alphabetical order. Please use the filters on sidebar to refine the list based on technology used by the power plant and the status of the project.

### List of power stations in Iran

Overview Manufacturing Privatization Energy/electricity bourse Decentralized power generation External links

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### Who We Are - Jordan Wind Project Company

The Tafila Wind Farm is the first commercial utility-scale wind power project in the Middle East, and largest privately-financed wind farm in the Hashemite Kingdom of Jordan.

### [A Coordinated Control Scheme to Realize Frequency](#)

As the capacity of wind power generation increases, grid-forming (GFM) wind turbine generators are deemed as promising solutions to support the system frequency for future low inertia



## List of power stations in Iran

The IR-40 facility in Arak Shahid Salimi Combined Cycle Power Plant in Mazandaran The electric power industry in Iran has become self-sufficient in producing the required equipment to build power plants.

## [Global Wind Power Tracker: Detailed Data on Wind Projects](#)

Global Wind Power Tracker The Global Wind Power Tracker (GWPT) is a worldwide dataset of utility-scale, on and offshore wind facilities. It includes wind farm phases with capacities of 10 megawatts



## Tafila Wind Farm

The Tafila Wind Farm is the first commercial utility-scale wind power project in the Middle East. Located in the Hashemite Kingdom of Jordan, the 117 megawatt wind farm has increased the country's total

## [He JIAFA , Master of Engineering , Zhejiang University.](#)

Large-scale integration of wind turbines (WTs) results in the reduction of the power system inertia and weakens the system's frequency regulation capability.





## [A Coordinated Control Scheme to Realize Frequency](#)

To deal with this problem, this paper proposes a coordinated control scheme for PMSG-based WTs, which applies a virtual synchronous control in the grid-side converter to realize grid

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### **TAFILA WIND FARM**

The wind farm will be located in the Tafila Governorate of Jordan, in an area east of the town of Ghurandil and north of the Lafarge Rashidiya cement plant. The electricity generated will be

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